

GenCore version 5.1.4.p5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 07:22:43 ; Search time 152 Seconds
(without alignments)
14650.296 Million cell updates/sec

Title: US-10-046-433-39
Perfect score: 3334
Sequence: 1 gcagagcagcagcagcagc.....attaaaaaaaaaaaaaaaa 3334

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapept 1.0

Searched: 478924 seqs, 33395956 residues

Total number of hits satisfying chosen parameters: 957848

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications.NA:*
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3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
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13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3303.4	99.1	3501	US-10-028-072-37	Sequence 37, Appl
2	3303.4	99.1	3501	US-10-121-049-37	Sequence 37, Appl
3	3303.4	99.1	3501	US-10-123-504-37	Sequence 37, Appl
4	3303.4	99.1	3501	US-10-140-470-37	Sequence 37, Appl
5	3303.4	99.1	3501	US-10-175-746-37	Sequence 37, Appl
6	3303.4	99.1	3501	US-10-176-918-37	Sequence 37, Appl
7	3303.4	99.1	3501	US-10-137-865-37	Sequence 37, Appl
8	3303.4	99.1	3501	US-10-140-474-37	Sequence 37, Appl
9	3303.4	99.1	3501	US-10-142-431-37	Sequence 37, Appl
10	3303.4	99.1	3501	US-10-143-114-37	Sequence 37, Appl
11	3303.4	99.1	3501	US-10-140-002-37	Sequence 37, Appl
12	3303.4	99.1	3501	US-09-925-299-209	Sequence 209, App
13	551	16.5	625	US-10-002-050-19	Sequence 19, Appl
14	537.6	16.1	1737	US-10-002-304-19	Sequence 19, Appl
15	537.6	16.1	1737	US-10-003-152-19	Sequence 19, Appl
16	537.6	16.1	1737	US-09-736-457-913	Sequence 913, App
17	537.6	16.1	1737	US-09-736-457-913	Sequence 913, App
18	424.4	12.7	426	US-09-902-941-913	Sequence 913, App
19	424.4	12.7	426	US-09-902-941-913	Sequence 913, App

20	424.4	12.7	426	US-09-849-626-913	Sequence 913, App
21	419.8	12.6	1508	US-10-002-050-9	Sequence 9, Appl
22	419.8	12.6	1508	US-10-002-304-9	Sequence 9, Appl
23	419.8	12.6	1508	US-10-003-152-9	Sequence 9, Appl
24	364	10.9	400	US-09-998-598-2567	Sequence 2567, Ap
25	284.4	8.5	466	US-09-815-343-754	Sequence 754, App
26	282.4	8.5	306	US-09-969-708-595	Sequence 595, App
27	263.4	7.9	265	US-09-736-457-864	Sequence 864, App
28	263.4	7.9	265	US-09-902-941-864	Sequence 864, App
29	263.4	7.9	265	US-09-849-626-864	Sequence 864, App
30	189.6	5.7	231	US-10-076-622-45	Sequence 45, Appl
31	189.6	5.7	231	US-09-604-2874-45	Sequence 45, Appl
32	189.6	5.7	231	US-09-339-338-45	Sequence 45, Appl
33	189.6	5.7	231	US-10-007-805-45	Sequence 45, Appl
34	130.8	3.9	160	US-10-076-622-44	Sequence 44, Appl
35	130.8	3.9	160	US-09-604-2874-44	Sequence 44, Appl
36	130.8	3.9	160	US-09-339-338-44	Sequence 44, Appl
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38	118.8	3.6	333	US-09-783-590-3589	Sequence 3589, Ap
39	110.8	3.3	432	US-09-960-352-5091	Sequence 5091, Ap
40	98.6	3.0	192	US-10-092-750-189	Sequence 189, App
41	92.8	2.8	96	US-10-092-750-189	Sequence 22945, A
42	89	2.7	244	US-09-864-761-22945	Sequence 6225, Ap
43	76.6	2.3	371	US-09-864-761-6225	Sequence 30975, A
44	71.4	2.1	196	US-09-864-761-30975	Sequence 14419, A
45	71.4	2.1	457	US-09-864-761-14419	Sequence 14419, A

ALIGNMENTS

RESULT 1
US-10-028-072-37
Sequence 37, Application US/10028072
Publication No. US20030004311A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Mel-Oiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang
TITLE OR INVENTION:
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/028, 072
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/049911
PRIOR FILING DATE: 1997-06-18
PRIOR APPLICATION NUMBER: 60/056974
PRIOR FILING DATE: 1997-08-26
PRIOR APPLICATION NUMBER: 60/059113
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059115
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059117
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059122
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059184
PRIOR FILING DATE: 1997-09-17
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18

[illegible]

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		99.6%:			Pred. No. 0:		
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2	Prior Filing Date: 1998-06-24						
3	Prior Application Number: 60/090445						
4	Prior Filing Date: 1998-06-24						
5	Prior Application Number: 60/090538						
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7	Prior Application Number: 60/090863						
8	Prior Filing Date: 1998-06-26						
9	Prior Application Number: 60/091360						
10	Prior Filing Date: 1998-07-01						
11	Prior Application Number: 60/091519						
12	Prior Filing Date: 1998-07-02						
13	Prior Application Number: 60/091982						
14	Prior Filing Date: 1998-07-07						
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QY	1081	TGCGATGCCAACGGGAGAGACACAACTCATGTACAAATGGGGCCAAAGCCGAAATCTGTAC	1140
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Db	1576	CCGCACTCGGTATGGCAGACACAGAGATTAAGAGTGGCCGAAATACATTTGCTTT	1635
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661 TTTGAGTTTTCGTTGAGATGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 720
736 TTTGAGTTTTCGTTGAGATGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 795
721 AAGACCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
796 AAGACCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 855
781 CTCTATTGAGAGACACAGCTCTCTCAATGATGAGGAGGAGGAGGAGGAGGAGGAGG 840
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841 AAGAACATTTGGCATACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 900
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976 ACCTATGACAGACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1035
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1396 GAATTCAAATGTTGGAACAGCTGCTGCCCAACATGTGAACACGAGGAGGAGGAGGATC 1440
1381 AACTTCAGATACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1515
1456 AACTTCAGATACAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAT 1500
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1936 TGCACCTCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1995
1921 CCCCCTAACCAATTTCTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2005
1996 CCCCCTAACCAATTTCTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2040
1981 GGTCTCAGGAGCAAGAGCAACAGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2100
2056 GGTCTCAGGAGCAAGAGCAACAGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2115
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2101 CTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2160
2176 CTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2235
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[illegible]

RESULT 3
US-10-123-904-37

Publication No. US20030022328A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Beresini, Maureen

APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen

APPLICANT:	Gerritsen, Mary E
APPLICANT:	Goddard, Audrey

APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood Storer

APPLICANT:	Smith, Victoria
APPLICANT:	Stewart, Timothy
APPLICANT:	

APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William

TITLE OF INVENTION: SECRETED
TITLE OF INVENTION: ACIDS EN

CURRENT FILING DATE: 2003-04-01
CURRENT APPLICATION NUMBER: U
CURRENT REFERENCE: P3330R1C54

PIOT Application removed - S
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 37

LENGTH: 3501
TYPE: DNA
ORGANISM: *Escherichia coli*

FEATURE:
NAME/KEY: unsure

OTHER INFORMATION: unknown base
S-10-123-904-37

Query Match	99.18;
Rest Local	

Matches 3321; Conservative

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136 GCTGAGCCTGGGCACAGCCACCA

196 ATACCGGCTGTGGCGGCTGCT

181 ACGGACCGAGCTCACCCTGC

230 ACGGGACCGGAGCTTCATGCGCTGC
241 GACAGCACCGCTTCAATGCTGCTG

316 GACAGCACGGTTCAGGTGGAGG

301 CTGCGTACCCCGTCAAGGCACC
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436 GATATGAAGGACCAGTCATGTAAGC

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US-10-123-904-37

Query Match	99.18;	Score 3303.4;	DB 9.	Length 3501
Best Local Alignment				

0; Mismatches 13; Indels 1; Gaps 1;

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 CCGCAGGATCAGGAGACCTGAGAGGCC 195

196 ATACCCGGCTGTGCGGCCTGCTGTCAGGCTCACCACCACTTATTTT

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361 GATATGAAGGACCTACTATTCAACCGTTCGGCTTT
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436 GATATGAGGACCAGTCATGTAAGCCATGCGCTGAGGGCCCTACTTCCTCGGACACCG 485

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OY 481 GAGCTGATGACAGTGGCTGAGTCCACGGGAATGATCTTCTGTCGAAGTGGTTCC 540
Db 556 GAGCTGATGACAGTGGCTGAGTCCACGGGAATGATCTTCTGTCGAAGTGGTTCC 615
OY 541 CGGGGAGTACATGCTCTTCAACAGGACGAATGACAGCACTGATGATGCGCTC 600
Db 616 CGGGGAGTACATGCTCTTCAACAGGACGAATGACAGCACTGATGATGCGCTC 675
OY 601 AACCTGAGCAATGCGGACGCTTAACCTGCAATTAATTAATGACATCAGATC 660
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OY 721 AAGACACAGAAAGGATGGAATTCACAGTGTGAGCTAATTCAGGCAATTAATGTC 780
Db 796 AAGACACAGAAAGGATGGAATTCACAGTGTGAGCTAATTCAGGCAATTAATGTC 855
OY 781 CTCTATTGGAGAACACAGCTCTTCTGATGAGCAAAAGTACCAAGCTGTGCTGCTG 840
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Db 1336 TACTCCATGCTGAGACTGTACCGCTGCTGCTGCAAGGACTGAACCTGTGTGGATTT 1395
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Db 1396 GAATTAATGTTGGAAGACGCTGCCCAAAATGGAAGAGACCGTTCTCATGTGGATTC 1455
OY 1381 AACTTGAGTACAGGGGCTGACAGGCTGGGAGTGGTGTGATCATTTACAGCT 1440
Db 1456 AACTTGAGTACAGGGGCTGACAGGCTGGGAGTGGTGTGATCATTTACAGCT 1515
OY 1441 GCTGAGCCTCAGACAAATGATCATGATTTCACTCTGTTGGCCAGATTTAGACT 1500
Db 1516 GCTGAGCCTCAGACAAATGATCATGATTTCACTCTGTTGGCCAGATTTAGACT 1575
OY 1501 CCGCAGTGGTGTATGAGACACAGAAATTAAGAGTGGCCAGATCATTTGTCTTT 1560
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Db 1576 CCGCAGTGGTGTATGAGACACAGAAATTAAGAGTGGCCAGAAATCATTTGTCTTT 1635
OY 1561 GAGACCTCTGTTCTGTGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1620
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OY 1681 GAGGAGAACTACACAGAGCTTCACTGGGCTTCCAGAGAGACCTTTTATGAGGCA 1740
Db 1756 GAGGAGAACTACACAGAGCTTCACTGGGCTTCCAGAGAGACCTTTTATGAGGCA 1815
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OY 1801 AATGAGCTGGCTCTCTACTGCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1860
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OY 1861 TGCACCTCTTCTCTGCTGCTTACTATATTGACGAGATTCAGGAACTGCTGCTGCTGCTG 1920
Db 1936 TGCACCTCTTCTCTGCTGCTTACTATATTGACGAGATTCAGGAACTGCTGCTGCTGCTG 1995
OY 1921 CCCCCATACAAATCTGTAAGCCACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1980
Db 1996 CCCCCATACAAATCTGTAAGCCACAGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2055
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OY 2221 CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTATACAGCTTACCTTCCAGGCA 2280
Db 2296 CGGATTCCTGAGGGTGAAGTCAAGGTTCTCCAAATCTATACAGCTTACCTTCCAGGCA 2355
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OY 2401 GCTGAATCTTTTCCACCTGAGTCTTGGGAATACCGGAGCTGATCTTTTATAGTTC 2460
Db 2476 GCTGAATCTTTTCCACCTGAGTCTTGGGAATACCGGAGCTGATCTTTTATAGTTC 2535
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Db 2536 AATGATGATGAGCTTCACTGCTGAGTCTTGGAGATCAACCATCTCCGCTGAGGTGAGT 2595
OY 2521 CCACAGAAATCTGCTCTGGAAGTCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2580
Db 2596 CCACAGAAATCTGCTCTGGAAGTCTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2655
OY 2581 GATGCTGCACTTCACTTCTGCTGAGAGAGCGGCTGCTTGGCTGCTGCTGCTGCTGCTG 2640
Db 2656 GATGCTGCACTTCACTTCTGCTGAGAGAGCGGCTGCTTGGCTGCTGCTGCTGCTGCTG 2715
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?   TITLE OF INVENTION: ACIDS ENCODING THE SAME
?   FILE REFERENCE: P3330R1C160
?   CURRENT APPLICATION NUMBER: US/10/140,470
?   CURRENT FILING DATE: 2002-05-06
?   Prior Application removed - See Palm or File Wrapper
?   NUMBER OF SEQ ID NOS: 550
?   SEQ ID NO 37
?   LENGTH: 3501
?   TYPE: DNA
?   ORGANISM: Homo Sapien
?   FEATURE:
?   NAME/KEY: unsure
?   LOCATION: 2762, 2778
?   OTHER INFORMATION: unknown base
US-10-140-470-37

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Query Match	Best Local Similarity	99.1%;	Score 3303.4;	DB 9;	Length 3501;
Matches 3321;	Conservative	0;	Mismatches	13;	Indels
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QY	1	GCAGAACCCAGCAGCCGACACCTGAGCGCGTACACCGCGTACATCGAGCAACGTTATG	60		
Db	76	GCAGAAACAGACACCCGACACCTGAGCGCGTACACCGCGTACATCGAGCAACGTTATG	60		
QY	61	GCTGAGCTGGGACACGCCACCATCTCCGCCAGAGTCAAGGGAAGAACTGAGAGCGC	135		
Db	136	GCTGAGCTGGGACACGCCACCATCTCTCCGCCAGAGTCAAGGGAAGAACTGAGAGCGC	120		
QY	121	ATACCCCGGCTGTGGCGCGCTGCTGCTGGGCTGGACCGCTTCAGGTGACCCAGGA	195		
Db	196	ATACCCCGGCTGTGGCGCGCTGCTGCTGGGCTGGACCGCTTCAGGTGACCCAGGA	180		
QY	181	ACGGGACCGGAGCTTCACGCCCTGCAAGAGCTGAGTACACCTATGATGACAGCGCTGT	240		
Db	256	ACGGGACCGGAGCTTCATGACCTGCAAGAGCTGAGTACACCTATGATGACAGCGCTGT	240		
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QY	301	CTGGCTGACCCCGTCAAGGAGCAGAGTCTCTCTTCCTGCAACGCCGGGGAATTTCTG	375		
Db	376	CTGGCTGACCCCGTCAAGGAGCAGAGTCTCTCTTCCTGCAACGCCGGGGAATTTCTG	360		
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QY	421	ATTGCGTTATGATGAGTGGATGATGCTGCCCATGCGTTTGCAGCGCTTCAGCAACATG	495		
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QY	481	GACCTGGATGACAGTGTGCTGAGTCACCGGGAACGTACTTCGTCCAAGTGGTTC	555		
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QY	541	CGGGGAGATACATGCTTGCTTCAACAGGAGAGATGCAACGCACTGATGTAGCCGCTC	615		
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QY	661	TTTGAGTTTTCGTTGAGATGACAGGTGCGAGCCCATGCAAGATGACTCCAGGTGATG	735		
Db	736	TTTGAGTTTTCGTTGAGATGACAGGTGCGAGCCCATGCAAGATGACTCCAGGTGATG	720		
QY	721	AAGGACACAGAGAAAGATGGAATTCACAGTGTGAGCTAAATTCAGGCAATTAATGTC	795		
Db	796	AAGGACACAGAGAAAGATGGAATTCACAGTGTGAGCTAAATTCAGGCAATTAATGTC	780		
QY	781	CTCATTTGGAGAACCAAGCCTTCTCAGTATGAGCAAAAGTACCAAGCCTGTGCTGGTG	855		

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856 CTCATTTGGAAACCCACAGCTTCTCAGTATGAGCAAGTACCAAGCTGTGGTG 915
841 AGAAACATTTGGCATACAGGGGTGGCTTACATTCAGATGCTTCCCTGCAACCTGGC 900
916 AGAAACATTTGGCATACAGGGGTGGCTTACATTCAGATGCTTCCCTGCAACCTGGC 975
901 ACCTATGAGACAGACAGGGGTGGCTTCTTCGAACTTGGCCAGCAAGCTTATTC 1035
976 ACCTATGAGACAGACAGGGGTGGCTTCTTCGAACTTGGCCAGCAAGCTTATTC 1020
961 AATTAAGAGAACTTCTTGGCAACAGTGTACCTGACAAATATCTCAGAGAAAGATCT 1095
1036 AATTAAGAGAACTTCTTGGCAACAGTGTACCTGACAAATATCTCAGAGAAAGATCT 1080
1021 TCTTCTGTACGTTGGCCAGCTTGCACAGCAAAAGTATTTCTACACACAGGGCC 1155
1096 TCTTCTGTACGTTGGCCAGCTTGCACAGCAAAAGTATTTCTACACACAGGGCC 1140
1081 TGCATGTCACAGAGACACAACTCATGTACAAATGAGCCAGCCGAAATCTGTAGC 1215
1156 TGCATGTCACAGAGACACAACTCATGTACAAATGAGCCAGCCGAAATCTGTAGC 1200
1141 GAGGACCTTGAAGGGGAGTGAAGCTGCTGCTGTGTGAAGACCCACTGCCACCC 1275
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1261 TACTTCAATGGCTCAGACACTGTACCGCTGCTGCTGAGGACTGACCTGCTGGATTT 1395
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US 10-175-746-37
; Sequence 37, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION.

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1 / APPLICANT: Baker, Kevin P.
2 / APPLICANT: Beresini, Mauro
3 / APPLICANT: Desroges, Laura
4 / APPLICANT: Desnoyers, Luc
5 / APPLICANT: Filvarsoff, Ellen
6 / APPLICANT: Gao, Wei-Qiang
7 / APPLICANT: Geriltsen, Mary E.
8 / APPLICANT: Goddard, Audrey
9 / APPLICANT: Godowski, Paul J.
10 / APPLICANT: Gueney, Austin L.
11 / APPLICANT: Sherwood, Steven
12 / APPLICANT: Smith, Victoria
13 / APPLICANT: Stewart, Timothy A.
14 / APPLICANT: Tunas, Daniel
15 / APPLICANT: Watanabe, Colin K
16 / APPLICANT: Wood, William
17 / APPLICANT: Zhang, Zemin
18 / TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
19 / FILE REFERENCE: P313091035
20 / CURRENT APPLICATION NUMBER: US/10/175,746
21 / PRIOR APPLICATION DATE: 2002-06-19
22 / NUMBER OF SEQ ID NOS: 550
23 / SEQ ID NO 37
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1  LENGTH: 3501
2  TYPE: DNA
3  ORGANISM: Homo Sapien
4  FEATURE:
5  NAME/KEY: unsure
6  LOCATION: 2762..2778
7  OTHER INFORMATION: unknown base
8  OS-10-175..746-37

```

Query Match	99.18;	Score 3303.4;	DB 9;	Length 3501;
Best Local Similarity	99.68;	Pred. No. 0;		
Matches 3321;	Conservative			

[illegible]

Qy	01	GCTAGCCTTGGGCACAGCCACCATCTCCGCCCAAGACTAGGGGAAGAACTGAGAGGCC	120
Db	136	GCTGAGCCTGGGCACAGCCACCATCTCTCCGCCAAGATCAGGAGAAAGAACTGAGAGGCC	195
Qy	121	ATACCCCGGCTGGGGGGCTCTCTTGGGCTGGGAGCGCCCTTCACAGTACCAGGA	180
Db	196	ATACCCCGGCTTGGCGGGCTCTCTTGGGCTGGGAGCGCCCTTCAGGTACCAGGA	255
Qy	181	ACGGACCGGAGCTTCACGCCCTGCAAAAGTCTGAGTACCACTATGATACAGCGCTGT	240
Db	256	ACGGAGCCGGAGCTTCATGCTCTCAAAAGTCTGAGTACCACTATGATACAGCGGTT	315
Qy	241	GACACACGGGTTTCAGGTGGAGGGTCCGCGTGGCGGATACCCCGGGCTGTGCCACAGC	375
Db	316	GACACACGGGTTTCAGGTGGAGGGTCCGCGTGGCGGATACCCCGGGCTGTGCCACAGC	300
Qy	301	CTGCTTACCCCGGTCAAGGGCCACCGAGTGTCTTCTTCTGCAACGCCGGGAGTTTCTG	360
Db	376	CTGCTTACCCCGGTCAAGGGCCACCGAGTGTCTTCTTCTGCAACGCCGGGAGTTTCTG	435
Qy	361	GATATGAGGACCAAGTCAATGTAAGCCATGCGTGGAGGGCCGTACTCTCTGGCACAGGC	420
Db	436	GATATGAGGACCAAGTCAATGTAAGCCATGCGTGGAGGGCCGTACTCTCTGGCACAGGC	495
Qy	421	ATTGCGTTTGATGATGGGATGAGTGGCGCCATGCGCTTTGGCAGCCCTGAGCAACATG	480
Db	496	ATTGCGTTTGATGATGGGATGAGTGGCGCCATGCGCTTTGGCAGCCCTGAGCAACATG	555
Qy	481	GAGCTGATGATGACATGCTGCTGTGATGCACACGGGAACTGTACTGTCGCAAGTGGTCCC	540
Db	556	GAGCTGATGATGACATGCTGCTGTGATGCACACGGGAACTGTACTGTCGCAAGTGGTCCC	615
Qy	541	CGGGGCGACATCATGCGCTTCAACACGGAGCAATGACACCACTAGTATGACCGCTC	600
Db	616	CGGGGCGACATCATGCGCTTCAACACGGAGCAATGACACCACTAGTATGACCGCTC	675
Qy	601	AACCTGAAGCAATCTGCGACCGTTTACTTGGAACTACTATTCAGAGTCCAGATATC	660
Db	676	AACCTGAAGCAATCTGCGACCGTTTACTTGGAACTACTATTCAGAGTCCAGATATC	735
Qy	661	TTTGAATTTTTCGTTGCAATGACACAGTGCACAGCCCAATGACATGACTCCAGTGGATG	720
Db	736	TTTGAATTTTTCGTTGCAATGACACAGTGCACAGCCCAATGACATGACTCCAGTGGATG	795
Qy	721	AAGACCACAGAGAAAGGATGGAAATTCACAGTGGAGCTAAATCGAGCAATAATGTC	780
Db	796	AAGACCACAGAGAAAGGATGGAAATTCACAGTGGAGCTAAATCGAGCAATAATGTC	855
Qy	781	CTGTATTTGGAGAACCCAGCGCTTCCAGTATGACCAAAATACCAAGCTGTGCTGGT	840
Db	856	CTGTATTTGGAGAACCCAGCGCTTCCAGTATGACCAAAATACCAAGCTGTGCTGGT	915
Qy	841	AGAAACCTTCCCATTAACAGGGTGGCTCACTACTTCAAGATGCTCCCTGCAAACTGGC	900
Db	916	AGAAACCTTCCCATTAACAGGGTGGCTCACTACTTCAAGATGCTCCCTGCAAACTGGC	975
Qy	901	AGCTATGCGACAGACAGAGGCTCTCTTTGTGAACCTTGGCAGCCAATCTTTATTA	960
Db	976	AGCTATGCGACAGACAGAGGCTCTCTTTGTGAACCTTGGCAGCCAATCTTTATTA	1035
Qy	961	AATTAAGAGAAACTTCTTCCACACAGGTGACCTGACCAATACTCAGAGAAAGATCT	1020
Db	1036	AATTAAGAGAAACTTCTTCCACACAGGTGACCTGACCAATACTCAGAGAAAGATCT	1095
Qy	1021	TCTTCTGTAAACGGGGCCAGCTTGCACAGACAAAGATTATTCTACACACAGCGCC	1080
Db	1096	TCTTCTGTAAACGGGGCCAGCTTGCACAGACAAAGATTATTCTACACACAGCGCC	1155
Qy	1081	TGGGATGCCAGGAGAGACAACTCATGTAGCAAAATGGGCCAAGCAAAATCTGTAGC	1140
Db	1156	TGGGATGCCAGGAGAGACAACTCATGTAGCAAAATGGGCCAAGCAAAATCTGTAGC	1215
Qy	1141	GAGGACCTTGGAGGGCGTGAAGCTCTGCTCTGTGTGAAGACCAACTGTCCACCC	1200

1216 GAGGACCTTGAGGGGCGAGTGAAGTGCCTCTGCTGGTGAAGACCCACCTGCCACCC 1275
1201 TGCACCCAGGCTTCTTTAAAACCAACAAGACGCTGCCAGCCCTGCCATATGTTCC 1260
1276 TGCACCCAGGCTTCTTTAAAACCAACAAGACGCTGCCAGCCCTGCCATATGTTCC 1235
1261 TACTCAATGGCTCAGACTGTACCCGCTGCTGCAGGAGTGAACCTGTGTGGATT 1320
1336 TACTCAATGGCTCAGACTGTACCCGCTGCTGCAGGAGTGAACCTGTGTGGATT 1395
1321 GAATACAAATGGTGAACACGCTGCCACAAATGGAAGACCGCTTCAGTGGATC 1380
1396 GAATACAAATGGTGAACACGCTGCCACAAATGGAAGACCGCTTCAGTGGATC 1455
1381 AACTTGAGTACAAAGGCGATGACAGGCTGGAGTGGCTGTGATCAGATTTCACAGCT 1440
1456 AACTTGAGTACAAAGGCGATGACAGGCTGGAGTGGCTGTGATCAGATTTCACAGCT 1515
1441 GCTGAGCCTCAGACAAATGACTTCATGATTCACCTGCTGCTGCTGCTGCTGCTGCT 1500
1516 GCTGAGCCTCAGACAAATGACTTCATGATTCACCTGCTGCTGCTGCTGCTGCTGCT 1575
1501 CCGAGTGGGATGAGGAGCAGACAGAGAAATAAAGAGTGGCCAGAAATCATTGCTTT 1560
1576 CCGAGTGGGATGAGGAGCAGACAGAGAAATAAAGAGTGGCCAGAAATCATTGCTTT 1635
1561 GAGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
1636 GAGACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1695
1621 AAGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680
1636 AAGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1755
1681 GAGGAGAACTACACGAGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
1756 GAGGAGAACTACACGAGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1815
1741 AAGAGAGTACACGAGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1800
1816 AAGAGAGTACACGAGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1875
1801 AATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1860
1876 AATGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1935
1861 TGCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1920
1936 TGCACCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1995
1921 CCCCCTAACCAATTCCTGAAGCCCAACGCTTATGCTGCTGCTGCTGCTGCTGCTGCT 1980
1996 CCCCCTAACCAATTCCTGAAGCCCAACGCTTATGCTGCTGCTGCTGCTGCTGCTGCT 2055
1981 GCTCAGAGGACCAAGAACCAAGATCCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2040
2056 GCTCAGAGGACCAAGAACCAAGATCCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2115
2041 CGCAACACTCCCAACGAGCTTTCACATACACTTCTCGGCTTGGCAACACGCTGACT 2100
2116 CGCAACACTCCCAACGAGCTTTCACATACACTTCTCGGCTTGGCAACACGCTGACT 2175
2101 CTTCCTGAGAGGCAACGCTTCACTTCCAAAGGCTGAATATCTTCATCACTTACCTTC 2160
2176 CTTCCTGAGAGGCAACGCTTCACTTCCAAAGGCTGAATATCTTCATCACTTACCTTC 2235
2161 AGTCTGTGGAACCAAGGAGTGAATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2220
2236 AGTCTGTGGAACCAAGGAGTGAATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2295
2221 CGGATTCCTGAGAGTGAATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2280

2296 CGGATTCCTGAGAGTGAATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2355
2281 GTCATCATCCCCCAGAGAGTGAAGCTTACAAAGCCGGGCTTCTCAGAGCCCTGACG 2340
2356 GTCATCATCCCCCAGAGAGTGAAGCTTACAAAGCCGGGCTTCTCAGAGCCCTGACG 2415
2341 CTTCCTGATGCACTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2400
2416 CTTCCTGATGCACTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2475
2401 GCTGAACCTTTCACCTGAGTCTTGGAAATACCGAGCTGATCTTCTTATAGGCTC 2460
2476 GCTGAACCTTTCACCTGAGTCTTGGAAATACCGAGCTGATCTTCTTATAGGCTC 2535
2461 AATGATGACCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2520
2536 AATGATGACCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2595
2521 CCACAGAAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2580
2596 CCACAGAAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2655
2581 GATGCTGCACTTCCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2640
2656 GATGCTGCACTTCCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2715
2641 GCTGACTACCATGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2700
2716 GCTGACTACCATGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2775
2701 TGGGAGAACCAAGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2760
2776 TGGGAGAACCAAGCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2835
2761 TGCAGAAACATAGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2820
2836 TGCAGAAACATAGATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2895
2821 CTGCTACCGCTTGTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2880
2896 CTGCTACCGCTTGTGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2955
2881 TGCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2940
2956 TGCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3015
2941 GCCATCATGGAAGGCGAGGATGTAGAGACGACCTCATCTTTACGAGAAAGAA-TCACTC 2999
3016 GCCATCATGGAAGGCGAGGATGTAGAGACGACCTCATCTTTACGAGAAAGAA-TCACTC 3075
3000 TTTGGGAATGCAATCAATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3059
3076 TTTGGGAATGCAATCAATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3135
3060 CTGAAGACATCTCAGAGGCGCAAGATGAGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3119
3136 CTGAAGACATCTCAGAGGCGCAAGATGAGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3195
3120 GCTCTCAGACCTTGCATAGACCTTTGCAAGCGCTGGGAGATTTGGGCTGCTGCTGCTGCTGCT 3179
3196 GCTCTCAGACCTTGCATAGACCTTTGCAAGCGCTGGGAGATTTGGGCTGCTGCTGCTGCTGCT 3255
3180 CAACACCACTGCTGGAATCTCTTCAATTTGGCTTATCAAGATGTTGAATTTAGATC 3239
3256 CAACACCACTGCTGGAATCTCTTCAATTTGGCTTATCAAGATGTTGAATTTAGATC 3315
3240 TTTTATATAGATGACCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3299
3316 TTTTATATAGATGACCAACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3375
3300 ACATTTGTTTGTAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTT 3334
3376 ACATTTTTTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTTAAAAAATTT 3410

1500 GATGATGAGGACCAATGATGTAAGGCATGGGGCTAGAGGGGCGGCTACTCTCCTCGGACACAGGC 495
 1510 GCTGGAGCCCTCAGACCAATGACTTCATTGATTTCTCAACTCTGGTTGGCCAGGATTTAGACCT 1515
 1501 CGGCACTCGGATGATGGCAGACACACACACATATATATATATATATATATATATATATATATATATAT 1506

1501 CCGCAGTCGGATGATGGCAGATCAACAGATATTAATCCCTGGGCGGATTTGACCT 1575
1516 GCATGAGCCCTCAGACAAATGACTTTCATGATTTCTACTCTGGTTGTGCCAGGATTTGACCT 1575

Db 1576 CCGCAGTGTGATGGACAGACAGATAAAGSTGGCCAGATACATTGTGCTTT 1635
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 Qy 1561 GAGACCCCTGTGCTGTAAGTGTAGTCTACTTCAATGGTGGTGAATTTAGAGCC 1620
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 Db 1636 GAGACCCCTGTGCTGTAAGTGTAGTCTACTTCAATGGTGGTGAATTTAGAGCC 1695
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 Db 1876 AATGGGCTGGCTCTCTACTGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1935
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 Db 1936 TGCACCTCTGTGCTGCTGTTACTATATATGACCGAGATTCAGAGACCTGCTGCTGC 1995
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 Qy 2761 TGGCAGAAACCCAGATGCTGTGGTGGCAATTTCTGCTGAGCAGAGAGTCAACATC 2820
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 Db 3016 GCCATCATGGAAGCGAGATGTAGAGAGACCTCATCTTTACAGCAAGAAAGTCACTT 3075
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 Qy 3180 CAACACCCACTGCTGGAATCTCTCATTTGTGCTGCTTATCAGATGTTGAATTTAGATC 3239
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 Db 3256 CAACACCCACTGCTGGAATCTCTCATTTGTGCTGCTTATCAGATGTTGAATTTAGATC 3315
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 Qy 3240 TTTTATATAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3299
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 Db 3316 TTTTATATAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 3375
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 Qy 3300 ACACCTTGTGTAAATTTAAAAA 3334
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 Db 3376 ACATTTTAAAAA 3410
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RESULT 7

US-10-176-921-37

Sequence 37, Application US/10176921

Publication No. US20030027276A1

GENERAL INFORMATION:

: APPLICANT: Baker, Kevin P.
 : APPLICANT: Beresini, Maureen
 : APPLICANT: Deforge, Laura
 : APPLICANT: Desnoyers, Luc
 : APPLICANT: Filvaroff, Ellen
 : APPLICANT: Gao, Wei-Qiang
 : APPLICANT: Gerritsen, Mary E.
 : APPLICANT: Goddard, Audrey
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Gurney, Austin L.
 : APPLICANT: Sherwood, Steven
 : APPLICANT: Smith, Victoria
 : APPLICANT: Stewart, Timothy A.
 : APPLICANT: Tumas, Daniel
 : APPLICANT: Wood, William
 : APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P33081C28
;; CURRENT APPLICATION NUMBER: US/10/176,921
;; PRIORITY FILING DATE: 2002-06-20
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 550
;; SEQ ID NO 37
;; LENGTH: 3501
;; TYPE: DNA
;; ORGANISM: Homo Sapien
;; FEATURE:
;; NAME/KEY: unsure
;; LOCATION: 2762, 2778
;; OTHER INFORMATION: unknown base
US-10-176-921-37

Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

QY 1 GCAGAGCAGACAGCCGACGACCTGAGCCGCTACTGCGCTCAGTCAGAGCAAGCTATG 60
Db 76 GCAGAGCAGACAGCCGACGACCTGAGCCGCTACTGCGCTCAGTCAGAGCAAGCTATG 135
QY 61 GCTGAGCCTGGGACAGCCACCATCTCTCCGCAAGTACAGGGAAGAACTGAGAGCGC 120
Db 136 GCTGAGCCTGGGACAGCCACCATCTCTCCGCAAGTACAGGGAAGAACTGAGAGCGC 195
QY 121 ATACCCCGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 180
Db 196 ATACCCCGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 255
QY 181 ACGGACCGGAGCTTACCCCTGCAAAAGTGTGATACCACTATGATACAGCGCTGT 240
Db 256 ACGGACCGGAGCTTACCCCTGCAAAAGTGTGATACCACTATGATACAGCGCTGT 315
QY 241 GACAGCAGGCTTCCAGGTGAGGCTGCGCGCTGCGCATACCGGCGCTGTCAGCAGC 300
Db 316 GACAGCAGGCTTCCAGGTGAGGCTGCGCGCTGCGCATACCGGCGCTGTCAGCAGC 375
QY 301 CTGCGTACCCCGCTGCAAAAGTGTGATACCACTATGATACAGCGCTGT 360
Db 376 CTGCTGACCCCGCTGCAAAAGTGTGATACCACTATGATACAGCGCTGT 435
QY 361 GATATGAAGAGCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 420
Db 436 GATATGAAGAGCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 495
QY 421 ATTGCGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 480
Db 496 ATTGCGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 555
QY 481 GAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 540
Db 556 GAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 615
QY 541 CCGGCGCAGTACATGCTTCAACAGGAGATGCAAGCCACATGATGATGATGATGATG 600
Db 616 CCGGCGCAGTACATGCTTCAACAGGAGATGCAAGCCACATGATGATGATGATGATG 675
QY 601 AACCTGAAGCAATGCTGCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCA 660
Db 676 AACCTGAAGCAATGCTGCACTTCACTTCACTTCACTTCACTTCACTTCACTTCACTTCA 735
QY 661 TTTGAGTTTTCGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 720
Db 736 TTTGAGTTTTCGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 795
QY 721 AAGACCAAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 780
Db 796 AAGACCAAGAGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 855

QY 791 CTGATTTGAGAGACAGAGCTTCTCAGTATGAGCAAGATACCAAGCTGCTGCTG 840
Db 856 CTGATTTGAGAGACAGAGCTTCTCAGTATGAGCAAGATACCAAGCTGCTGCTGCTG 915
QY 841 AGAAACATTTGCTATACAGAGGCTGCTTACATTCAGAAATGCTTCCCTGCAAACTGCG 900
Db 916 AGAAACATTTGCTATACAGAGGCTGCTTACATTCAGAAATGCTTCCCTGCAAACTGCG 975
QY 901 ACCTATGACAGACAGAGAGCTGCTTCTGCAAACTTTCGCAAGCTTCTTATTC 960
Db 976 ACCTATGACAGACAGAGAGCTGCTTCTGCAAACTTTCGCAAGCTTCTTATTC 1035
QY 961 AATTAAGAGAAATTTCTTTCGCAAGCTGCTTACAAATATGCTGAGAGAAAGATCT 1020
Db 1036 AATTAAGAGAAATTTCTTTCGCAAGCTGCTTACAAATATGCTGAGAGAAAGATCT 1095
QY 1021 TCTTCCGTTACCTGCGGCGCAGCTTTCAGACAAAGATTTTCTTACACACAGCGCC 1080
Db 1096 TCTTCCGTTACCTGCGGCGCAGCTTTCAGACAAAGATTTTCTTACACACAGCGCC 1155
QY 1081 TCGATATGCCAAGAGAGAGACACACTGATGATCAATGAGGCGCAAGCTGATGAGC 1140
Db 1156 TCGATATGCCAAGAGAGAGACACACTGATGATGATGAGGCGCAAGCTGATGAGC 1215
QY 1141 GAGGACCTTGAAGGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1200
Db 1216 GAGGACCTTGAAGGAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1275
QY 1201 TGCACCCAGGCTTCTTCAAAACCAACAGACAGCTTCCAGCCCTGATGAGTTC 1260
Db 1276 TGCACCCAGGCTTCTTCAAAACCAACAGACAGCTTCCAGCCCTGATGAGTTC 1335
QY 1261 TACTCAATGAGTCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1320
Db 1336 TACTCAATGAGTCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1395
QY 1321 GAATCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1380
Db 1396 GAATCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1455
QY 1381 AACTTCGAGTACAAAGGAGATGATGATGATGATGATGATGATGATGATGATGATG 1440
Db 1456 AACTTCGAGTACAAAGGAGATGATGATGATGATGATGATGATGATGATGATGATG 1515
QY 1441 GCTGAGCCTGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1500
Db 1516 GCTGAGCCTGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1575
QY 1501 CCGGAGTGGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1560
Db 1576 CCGGAGTGGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1635
QY 1561 GAGACCTCTGTTTGTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1620
Db 1636 GAGACCTCTGTTTGTGAGCTGATGATGATGATGATGATGATGATGATGATGATGATG 1695
QY 1621 AACCTCTGTTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1680
Db 1696 AACCTCTGTTGAGAGCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1755
QY 1681 GAGGAGAACTACAGAGAGCTTCACTTGGGCTTTCAGAGAGACCACTTTTCAGAGCA 1740
Db 1756 GAGGAGAACTACAGAGAGCTTCACTTGGGCTTTCAGAGAGACCACTTTTCAGAGCA 1815
QY 1741 AGGAGAGATGACCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1800
Db 1816 AGGAGAGATGACCAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1875
QY 1801 AATGCGTGGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1860
Db 1876 AATGCGTGGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1935
QY 1861 TGCACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1920

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Db 1936 TGCAACCTGTCCTGCTGTTACTATATGACCGGATTCAGAAACCTGCCACTCCTGC 1995
Oy 1921 CCCCCTAACACAAATTCGAAAGGCCACACAGCCTTATGTTGTCAGAGCCCTGTGTGCCCTGT 1980
Db 1996 CCCCCTAACACAAATTCGAAAGGCCACACAGCCTTATGTTGTCAGAGCCCTGTGTGCCCTGT 2055
Oy 1981 GGTCCAGGAGCAGAAACAACAAGATCCACTCTGTGGTACAAATGATTCGACCTTCTCA 2040
Db 2056 GGTCCAGGAGCAGAAACAACAAGATCCACTCTGTGGTACAAATGATTCGACCTTCTCA 2115
Oy 2041 CGCAACACTCCACACGAGCTTTCACATACACTTCCTCGCTTGGCAACACCGTCACT 2100
Db 2116 CGCAACACTCCACACGAGCTTTCACATACACTTCCTCGCTTGGCAACACCGTCACT 2175
Oy 2101 CTTCCTGAGGGCCACAGCTTCTACTTCCAAAGGTTGAAATACACTTCATCATCTTACCTTC 2160
Db 2176 CTTCCTGAGGGCCACAGCTTCTACTTCCAAAGGTTGAAATACACTTCATCATCTTACCTTC 2235
Oy 2161 AGTCTCTGTGGAACACGAGGTAGGAAATGCTGTGTGACCCGACAAATGTCACTGACCTC 2220
Db 2236 AGTCTCTGTGGAACACGAGGTAGGAAATGCTGTGTGACCCGACAAATGTCACTGACCTC 2295
Oy 2221 CGGATTCCTGAGGGGTGAGTCAAGGGTCTCAAAATCTATCACAGCTTACCTGACCTC 2280
Db 2296 CGGATTCCTGAGGGGTGAGTCAAGGGTCTCAAAATCTATCACAGCTTACCTGACCTC 2355
Oy 2281 GTCAATCATCCCCCAGAGGTGACACAGCTACAAAGGCCGGGGTTCCTCAACAGCCTGTGACG 2340
Db 2356 GTCAATCATCCCCCAGAGGTGACACAGCTACAAAGGCCGGGGTTCCTCAACAGCCTGTGACG 2415
Oy 2341 CTTCCTGATCGACTTATTGGGGTGACAAACAGATATGACTCTGATGGAATCACTCCCA 2400
Db 2416 CTTCCTGATCGACTTATTGGGGTGACAAACAGATATGACTCTGATGGAATCACTCCCA 2475
Oy 2401 GCTGAACCTTTTCCACTGAGTCTCTGGGAATACCGGACGATCTCTTTATAGTCC 2460
Db 2476 GCTGAACCTTTTCCACTGAGTCTCTGGGAATACCGGACGATCTCTTTATAGTCC 2535
Oy 2461 AATGATGTGACCAAGTCTGACAGTTCTGGAGATCAACACCATCCGGTCAAGTGCAGT 2520
Db 2536 AATGATGTGACCAAGTCTGACAGTTCTGGAGATCAACACCATCCGGTCAAGTGCAGT 2595
Oy 2521 CCACAGAAAACCTGCTCCCTGGAAGTTTGTGCTGCCAGAGACGTCTCAATGGAGCTGT 2580
Db 2596 CCACAGAAAACCTGCTCCCTGGAAGTTTGTGCTGCCAGAGACGTCTCAATGGAGCTGT 2655
Oy 2581 GATGGCTGCAACTTCCACTCTCTGGGAGAGGCGGCTGTGGCCGCTGTCTCAGTG 2640
Db 2656 GATGGCTGCAACTTCCACTCTCTGGGAGAGGCGGCTGTGGCCGCTGTCTCAGTG 2715
Oy 2641 GCTGACTACCATGCTATGCTGACAGCTGTGTGGCTGAGATCCAGAACTACTTACGTG 2700
Db 2716 GCTGACTACCATGCTATGCTGACAGCTGTGTGGCTGAGATCCAGAACTACTTACGTG 2775
Oy 2701 TGGGAGAAACCAAGCTATGCTGTGGGCAATTTCTGTGCTGAGAGAGAGTCAACATC 2760
Db 2776 TGGGAGAAACCAAGCTATGCTGTGGGCAATTTCTGTGCTGAGAGAGAGTCAACATC 2835
Oy 2761 TGGCAAAACCATAGATTTCTGGCTGAAAGTGGGATCTCTGACAGACCTGTACTGCCATC 2820
Db 2836 TGGCAAAACCATAGATTTCTGGCTGAAAGTGGGATCTCTGACAGACCTGTACTGCCATC 2895
Oy 2821 CTGCTACACCTGTTGACCTGCTACTTTTGGAAAAAAGAAATCAAAACCTAGAGTCAAGTAC 2880
Db 2896 CTGCTACACCTGTTGACCTGCTACTTTTGGAAAAAAGAAATCAAAACCTAGAGTCAAGTAC 2955
Oy 2881 TCCAGAGCTGATGATGATGCTACTCTCAAGAGCTGTGACCTGCCAGAGCTGACAGCTGC 2940
Db 2956 TCCAGAGCTGATGATGATGCTACTCTCAAGAGCTGTGACCTGCCAGAGCTGACAGCTGC 3015
Oy 2941 GCCATCATGGAAGCGAGGATGTAGAGACACTCATCTTTACCAACAAGAA-TCACTC 2999
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Db 3016 GCCATCATGGAAGCGAGGATGTAGAGACACTCATCTTTACCAACAAGAAATCACT 3075
Oy 3000 TTTGGAGAGATCAAAATCATTTTACTCTCAAGAGACCTCCGATGATTTGACTCACTGCGC 3059
Db 3076 TTTGGAGAGATCAAAATCATTTTACTCTCAAGAGACTCTGATGATTTGACTCACTGCGC 3135
Oy 3060 CTGAGAGCATCTCCAGAGAGGCGCAGACATGAGACTGTGAGAGGCACTGCTGCTCAGCT 3119
Db 3136 CTGAGAGCATCTCCAGAGAGGCGCAGACATGAGACTGTGAGAGGCACTGCTGCTCAGCT 3195
Oy 3120 GCTCTCTACCTTGCATAGACACTTTTGCAAGCTGGGGGATTTGGGTGCGCAGATCTCG 3179
Db 3196 GCTCTCTACCTTGCATAGACACTTTTGCAAGCTGGGGGATTTGGGTGCGCAGATCTCG 3255
Oy 3180 CAACACCCACTGCTGGAATCTCTCATGTTGGCTTATCAGATGTTGAATTTGAGATC 3239
Db 3256 CAACACCCACTGCTGGAATCTCTCATGTTGGCTTATCAGATGTTGAATTTGAGATC 3315
Oy 3240 TTTTATATAGATACCAACCAACCTCTCTCTGCTTCCCTCAAACTGCCAATATATACC 3299
Db 3316 TTTTATATAGATACCAACCAACCTCTCTCTGCTTCCCTCAAACTGCCAATATATACC 3375
Oy 3300 ACACCTTGTGTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3334
Db 3376 ACATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3410

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RESULT 8

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US-10-137-865-37
; Sequence 37, Application US/10137865
; Publication No. US2003032155A1

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GENERAL INFORMATION:

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3340R1C154
; CURRENT APPLICATION NUMBER: US/10/137,865
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-137-865-37

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Query Match

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99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

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Oy 1 GCAGAGCAGAGAGCGGAGAGCCTGAGCGGCTACTGCGGCTCACTGAGAGCAACGCTATG 60
Db 76 GCAGAGCAGAGAGCGGAGAGCCTGAGCGGCTACTGCGGCTCACTGAGAGCAACGCTATG 135

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Db 3376 ACATTTTTAAAAAAAAAAAAAAA 3410

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RESULT 9
US-10-140-474-37
Sequence 37, Application US/10140474
Publication No. US20030032156A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: Defoyers, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvarolt, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
APPLICANT:
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3330R1C162
CURRENT FILING DATE: 2002-05-06
Prior Application removed - See Palm or File Wrapper
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 37
LENGTH: 3501
TYPE: DNA
ORGANISM: Homo Sapien
FEATURE:
NAME/KEY: unsure
LOCATION: 2762, 2778
OTHER INFORMATION: unknown base
US-10-140-474-37

Query Match
Best Local Similarity 99.1%, Score 3303.4, DB 9, Length 3501;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

1
GCAGAGACGAGCGCCGACGACCTGAGCGGCTACTGCGGCTCACTGAGCAACGCGTATG
76 GCAGAACACACAGCCCGACACGACCTGAGCGGCTACTGCGGCTCACTGAGCAACGCGTATG
61 GCTGAGCGCTGGGACAGACCCACCATCTCTCCGCGACAGATCAGGGGAGAACTGAGAGCGC
136 GCTGAGCGCTGGGACAGACCCACCATCTCTCCGCGACAGATCAGGGGAGAACTGAGAGCGC
121 ATACCCCGGCTGTGGCGGCGCTGCTGCTCTGGGCGTGGAGACCGCGCTTCAGAGTACCGGAGGA
136 ATACCCCGGCTGTGGCGGCGCTGCTGCTGGGCGTGGAGACCGCGCTTCAGAGTACCGGAGGA
181 ACGGAGCGGAGGCTTCAACGCTGCAAGAGTCTGAGTACCATATGAGTACGAGCGCGTGT
256 ACGGAGCGGAGGCTTCAACGCTGCAAGAGTCTGAGTACCATATGAGTACGAGCGCGTGT
241 GACAGCAGCGGTTCCAGGTGGAGGTCGCGTGCATACCCCGGCGCTGTGCAACGAGC
316 GACAGCAGCGGTTCCAGGTGGAGGTCGCGTGCATACCCCGGCGCTGTGCAACGAGC
301 CTGCTGACCCCGGTCAAGGGGACCGAGTGTCTTCTCCGCAACGCGCGGGAGTTTCTG
376 CTGCTGACCCCGGTCAAGGGGACCGAGTGTCTTCTCCGCAACGCGCGGGAGTTTCTG
361 GATATGAGGACGAGTATGTAAGCATGCGCTGAGGGCGGCTATCTCCGCGACAGGC
420 GATATGAGGACGAGTATGTAAGCATGCGCTGAGGGCGGCTATCTCCGCGACAGGC
436 GATATGAGGACGAGTATGTAAGCATGCGCTGAGGGCGGCTATCTCCGCGACAGGC
495

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QY 421 ATTCGTTGATGATGGATGAGTCCCATGCTTTGCCAGCCCTTCACGCCAACAATG 480
DB 496 ATTCGTTGATGATGGATGAGTCCCATGCTTTGCCAGCCCTTCACGCCAACAATG 555
QY 481 GAGCGGATGACAGTGTCTGTAGTCCACCGGAACTGACTTCCGCAAGGGTTCC 540
DB 556 GAGCTGATGACAGTGTCTGTAGTCCACCGGAACTGACTTCCGCAAGGGTTCC 615
QY 541 CGGGGCGATACATGCGCTTCAACACGAGCAATGACAGCCACTGATGAGCCGTC 600
DB 616 CGGGGCGATACATGCGCTTCAACACGAGCAATGACAGCCACTGATGAGCCGTC 675
QY 601 AACCTGAGCAATCTGGCACCCTTCAACACGAGCAATGACAGCCACTGATGAGCCGTC 675
DB 676 AACCTGAGCAATCTGGCACCCTTCAACACGAGCAATGACAGCCACTGATGAGCCGTC 735
QY 661 TTTGAGTTTTCGTTGATGATGAGTCCCATGCTTTGCCAGCCCTTCACGCCAACAATG 720
DB 736 TTTGAGTTTTCGTTGATGATGAGTCCCATGCTTTGCCAGCCCTTCACGCCAACAATG 795
QY 721 AAGACCAAGAAAGATGGGAATTCACAGTGTGAGTGAATGAGGCAATATATGTC 780
DB 796 AAGACCAAGAAAGATGGGAATTCACAGTGTGAGTGAATGAGGCAATATATGTC 855
QY 781 CTCTATTGAGAACACAGCCCTTCTGATGATGAGCAACAGTACCAAGCTTGTGCTG 840
DB 856 CTCTATTGAGAACACAGCCCTTCTGATGATGAGCAACAGTACCAAGCTTGTGCTG 915
QY 841 AGAAACATGTCATACAGAGGGGTGCTTCACTTGAATGCTTCCGCAAGCTTGTGCTG 915
DB 916 AGAAACATGTCATACAGAGGGGTGCTTCACTTGAATGCTTCCGCAAGCTTGTGCTG 900
QY 901 ACCTATGACAGAACAGGGGTGCTTCTTTCGCAAACTTTCGCCAAGCTTGTGCTG 975
DB 976 ACCTATGACAGAACAGGGGTGCTTCTTTCGCAAACTTTCGCCAAGCTTGTGCTG 960
QY 961 AATAAGGAGAAATCTTTCGCAAGTGTGACCTGCAAAATCTGAGGAAAGATCT 1035
DB 1036 AATAAGGAGAAATCTTTCGCAAGTGTGACCTGCAAAATCTGAGGAAAGATCT 1020
QY 1021 TCTCTGTATGATGAGTCCCATGCTTTCGCAAGTGTGACCTGCAAAATCTGAGGAAAGATCT 1095
DB 1096 TCTCTGTATGATGAGTCCCATGCTTTCGCAAGTGTGACCTGCAAAATCTGAGGAAAGATCT 1080
QY 1081 TCGATGTCACAGGAGACACACTATGATGACAAATGAGGCAAGGCAAAATCTGATG 1155
DB 1156 TCGATGTCACAGGAGACACACTATGATGACAAATGAGGCAAGGCAAAATCTGATG 1140
QY 1141 GAGAGCTTGAAGGGGAGTGAAGTGTCTGCTGAGGCAAGGCAAAATCTGATG 1215
DB 1216 GAGAGCTTGAAGGGGAGTGAAGTGTCTGCTGAGGCAAGGCAAAATCTGATG 1200
QY 1201 TGCACCCAGAGCTTTCACAAACCAACACAGCCTGCGCAGCCCTGCAATGAGTTC 1275
DB 1276 TGCACCCAGAGCTTTCACAAACCAACACAGCCTGCGCAGCCCTGCAATGAGTTC 1260
QY 1261 TACCCCAATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1335
DB 1336 TACCCCAATGCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1320
QY 1321 GAATCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1395
DB 1396 GAATCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1380
QY 1381 AACTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1455
DB 1456 AACTTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1440
QY 1441 GCTGAGGCTGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 1515
DB 1516 GCTGAGGCTGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 1500
QY 1516 GCTGAGGCTGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATG 1575

QY 1501 CCGCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1560
DB 1576 CCGCAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1635
QY 1561 GAGACCCCTGT 1635
DB 1636 GAGACCCCTGT 1620
QY 1621 AACACTCTGT 1695
DB 1696 AACACTCTGT 1680
QY 1681 GAGGAGAACATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1755
DB 1756 GAGGAGAACATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1740
QY 1741 AGCAGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1815
DB 1816 AGCAGGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1800
QY 1801 AATGGGCTGT 1875
DB 1876 AATGGGCTGT 1860
QY 1861 TGCACCTTGT 1935
DB 1936 TGCACCTTGT 1920
QY 1921 CCGCCTTACATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1995
DB 1996 CCGCCTTACATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1980
QY 1981 GGTCCAGGAGAACAGAACATGATGATGATGATGATGATGATGATGATGATGATG 2055
DB 2056 GGTCCAGGAGAACAGAACATGATGATGATGATGATGATGATGATGATGATGATG 2040
QY 2041 CGCAGCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2115
DB 2116 CGCAGCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2100
QY 2101 CTGCTGTGAGGAGCAAGCTTCACTTCCAAAGGTTGAAATCTTCACTTGTG 2175
DB 2176 CTGCTGTGAGGAGCAAGCTTCACTTCCAAAGGTTGAAATCTTCACTTGTG 2160
QY 2161 AGTCTGTGAGGAGCAAGCTTCACTTCCAAAGGTTGAAATCTTCACTTGTG 2235
DB 2236 AGTCTGTGAGGAGCAAGCTTCACTTCCAAAGGTTGAAATCTTCACTTGTG 2220
QY 2221 CGGATTCCTGAGGAGTGAAGTGTGATGATGATGATGATGATGATGATGATG 2295
DB 2296 CGGATTCCTGAGGAGTGAAGTGTGATGATGATGATGATGATGATGATGATG 2280
QY 2281 GTGATCATGCCCCAGAGGTGATGATGATGATGATGATGATGATGATGATGATG 2355
DB 2356 GTGATCATGCCCCAGAGGTGATGATGATGATGATGATGATGATGATGATGATG 2340
QY 2341 CTGCTGTGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 2415
DB 2416 CTGCTGTGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 2400
QY 2401 GCTGACCTTTCACAGCTGATGATGATGATGATGATGATGATGATGATGATGATG 2475
DB 2476 GCTGACCTTTCACAGCTGATGATGATGATGATGATGATGATGATGATGATGATG 2460
QY 2461 AATGATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2535
DB 2536 AATGATGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2520
QY 2521 CCACAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2595
DB 2596 CCACAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2580
QY 2581 GATGCTGCAACTTCACTTCTGTGAGGAGAGGCGGCTGCTTGCCTGCTGATG 2640

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Db 2656 GATGGCTGCAACTTCACCTCTCTGGGAGAGCGGGCTGCTGGCCCTGCTGCTAGTG 2715
Oy 2641 GGTGACTACATGATATGTCAGACAGTGTGGCTGGGATCCAGAAAGTACTACTAGTG 2700
Db 2716 GGTGACTACATGATATGTCAGACAGTGTGGCTGGGATCCAGAAAGTACTACTAGTG 2775
Oy 2701 TGGGCAAGAACCCAGCTATGCTGTGGCAATTTCTGCTGAGCAGAGATCAACCTC 2760
Db 2776 TGNCGAGAACCCAGCTATGCTGTGGCAATTTCTGCTGAGCAGAGATCAACCTC 2835
Oy 2761 TGCAGAACCATGATTTGCTGGTAAAGGGGCACTCCGAGGAGCACTGACTCCATC 2820
Db 2836 TGCAGAACCATGATTTGCTGGTAAAGGGGCACTCCGAGGAGCACTGACTCCATC 2895
Oy 2821 CTGCTACACCTGCTTGCACCTGCTACTTTTGGAAAAAGAACTAGAGTACAAGTAC 2880
Db 2896 CTGCTACACCTGCTTGCACCTGCTACTTTTGGAAAAAGAACTAGAGTACAAGTAC 2955
Oy 2881 TCCAGCTGGTATGATATCTACTCTCAAGGAGCTGTGACCTGCCAGCAGCTGACGTC 2940
Db 2956 TCCAGCTGGTATGATATCTACTCTCAAGGAGCTGTGACCTGCCAGCAGCTGACGTC 3015
Oy 2941 GCCATGATGAGGCGGAGGATGAGAGAGCAGCTCATCTTACAGCAAGAA-TCACCTC 2999
Db 3016 GCCATGATGAGGCGGAGGATGAGAGAGCAGCTCATCTTACAGCAAGAAAGTACCTT 3075
Oy 3000 TTTGGAGAGATCAAAATCATTTACCTCCAGAGAGACTCTGTAGTATGATGACTAGTCCG 3059
Db 3076 TTTGGAGAGATCAAAATCATTTACCTCCAGAGAGACTCTGTAGTATGATGACTAGTCCG 3135
Oy 3060 CTGAAGACATCTCTCAGAGAGCCAGACATGAGCTGTGAGAGGCACTGCTGCTCACCCT 3119
Db 3136 CTGAAGACATCTCTCAGAGAGCCAGACATGAGCTGTGAGAGGCACTGCTGCTCACCCT 3195
Oy 3120 GCCTCTCAGCTTGCATAGACACCTTTGCAAGCTGCGGAGATTTGGGTGCCAGCATCTG 3179
Db 3196 GCCTCTCAGCTTGCATAGACACCTTTGCAAGCTGCGGAGATTTGGGTGCCAGCATCTG 3255
Oy 3180 CAACACCCACTGCTGGAATCTCTTATGTCCTTATACAGATGTTTGAATTTGAGTCC 3239
Db 3256 CAACACCCACTGCTGGAATCTCTTATGTCCTTATACAGATGTTTGAATTTGAGTCC 3315
Oy 3240 TTTTATATAGAGTACCCAAACCTCTTCTGCTGCTGCTCAAAACCTGCAAAATATACCC 3299
Db 3316 TTTTATATAGAGTACCCAAACCTCTTCTGCTGCTGCTCAAAACCTGCAAAATATACCC 3375
Oy 3300 ACACTTGTGTTGTAATTTAAAAA 3334
Db 3376 ACACTTGTGTTTAAAAA 3410

RESULT 10
US-10-142-431-37
; Sequence 37, Application US/10142431
; Publication No. US20030036179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: Deforge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Fillaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
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APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P330R1251
; CURRENT APPLICATION NUMBER: US/10/142,431
; CURRENT FILING DATE: 2002-05-10
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-142-431-37

Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 3321; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

Oy 1 GCAGAGCAGCAGCCGACAGCAGCTGAGCGGCTACTGCGGCTCACTCAGAGCAAGCTATG 60
Db 76 GCAGAGCAGCAGCCGACAGCAGCTGAGCGGCTACTGCGGCTCACTCAGAGCAAGCTATG 135
Oy 61 GGTGAGCCTGGGACAGCAGCAGCAGCTCTCCGACAGTCAAGGGAGAACTGAGAGCGC 120
Db 136 GGTGAGCCTGGGACAGCAGCAGCAGCTCTCCGACAGTCAAGGGAGAACTGAGAGCGC 195
Oy 121 ATACCCCGGCTGTGGCGGCTGCTGCTGTGGGTGGAGCGGCTTCCAGAGTACCCAGGGA 180
Db 196 ATACCCCGGCTGTGGCGGCTGCTGCTGTGGGTGGAGCGGCTTCCAGAGTACCCAGGGA 255
Oy 181 ACGGAGCCGAGCTTCAAGGCTGCAAGAGTGTAGTACCACTATGATACAGCGGTGT 240
Db 256 ACGGAGCCGAGCTTCAAGGCTGCAAGAGTGTAGTACCACTATGATACAGCGGTGT 315
Oy 241 GACAGCAGCGGTTCCAGGTGAGGAGGTCGCGTCCGACATACCCGCGGCTGTGACAGC 300
Db 316 GACAGCAGCGGTTCCAGGTGAGGAGGTCGCGTCCGACATACCCGCGGCTGTGACAGC 375
Oy 301 CTGCTGACCCCGTAAAGGACAGAGTGTCTTCTCTCAAGCGCGGGAGATTTCTG 360
Db 376 CTGCTGACCCCGTAAAGGACAGAGTGTCTTCTCTCAAGCGCGGGAGATTTCTG 435
Oy 361 GATATGAAGAGCAGTCACTATGTAAGCATGCGTGAAGGCGCCTACTCCCTGCGACAGC 420
Db 436 GATATGAAGAGCAGTCACTATGTAAGCATGCGTGAAGGCGCCTACTCCCTGCGACAGC 495
Oy 421 ATTGGTTTGTAGTATGAGGATGAGCTGCCCATGCGTTTGCAGGCTCTCAGCAACATG 480
Db 496 ATTGGTTTGTAGTATGAGGATGAGCTGCCCATGCGTTTGCAGGCTCTCAGCAACATG 555
Oy 481 GAGCTGTGATGACAGTGTCTGATGTCACCGGAGCACTGATGTTTCAAGTGGTTCC 540
Db 556 GAGCTGTGATGACAGTGTCTGATGTCACCGGAGCACTGATGTTTCAAGTGGTTCC 615
Oy 541 CGGGGAGCTATCATGCGCTTCAACAGAGCAAGTACAGAGCCACACTGATGAGCGCTC 600
Db 616 CGGGGAGCTATCATGCGCTTCAACAGAGCAAGTACAGAGCCACACTGATGAGCGCTC 675
Oy 601 AACCTGAAGCAATCTGGACCGCTTAACCTTGATATCTACTATCCAGATCCAGCATCTC 660
Db 676 AACCTGAAGCAATCTGGACCGCTTAACCTTGATATCTACTATCCAGATCCAGCATCTC 735
Oy 661 TTTGAGTTTGTGTCAGATGACAGGCGGCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 720
Db 736 TTTGAGTTTGTGTCAGATGACAGGCGGCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 795
Oy 721 AAGACACAGAGAAAGATGGAATTCACAGTGTGAGACTTAATTCAGAGCAATATATCTC 780
Db 796 AAGACACAGAGAAAGATGGAATTCACAGTGTGAGACTTAATTCAGAGCAATATATCTC 855
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Db 3016 GCGATCATGGAAGCGGAGAGTGTAGAGACGACCTCATCTTTACCGAAGAAAGTCACTT 3075
Oy 3000 TTTGGGAAGATCAAAATCATTTTACCTCCAAAGAGACTCCTATGGATTGTGACTAGTGGCG 3059
Db 3076 TTTGGGAAGATCAAAATCATTTTACCTCCAAAGAGACTCCTATGGATTGTGACTAGTGGCG 3135
Oy 3060 CTGAAGACATCTCTAGAGAGGCGCCAGACATGTGAGAGGACACTGCTGCTGACCT 3119
Db 3136 CTGAAGACATCTCTAGAGAGGCGCCAGACATGTGAGAGGACACTGCTGCTGACCT 3195
Oy 3120 GCGTCTCACTTGCATGACACCTTTGCAACCTGCGGCGATTGGTGGCCAGCATCTG 3179
Db 3196 GCGTCTCACTTGCATGACACCTTTGCAACCTGCGGCGATTGGTGGCCAGCATCTG 3255
Oy 3180 CAACACCACTGCTGGAATCTCTTCAATTTGGCTTATGATGTTGAATTTCAATC 3239
Db 3256 CAACACCACTGCTGGAATCTCTTCAATTTGGCTTATGATGTTGAATTTCAATC 3315
Oy 3240 TTTTATAGAGTACCCAAACCTCTTCTGCTTGGCTTAAACCTGCAAAATATACCC 3299
Db 3316 TTTTATAGAGTACCCAAACCTCTTCTGCTTGGCTTAAACCTGCAAAATATACCC 3375
Oy 3300 ACACCTTTGTTGTAATTAATAAAAAAAAAAAAAA 3334
Db 3376 ACATTTTATTAATAATAATAATAAAAAAAAAAAAA 3410

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RESULT 11

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US-10-143-114-37
; Sequence 37, Application US/10143114
; Publication NO. US20030036180A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Geriltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gunney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C211
; CURRENT APPLICATION NUMBER: US/10/143,114
; CURRENT FILING DATE: 2002-05-09
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 37
; LENGTH: 3501
; TYPE: DNA
; ORGANISM: Homo Sapien
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 2762, 2778
; OTHER INFORMATION: unknown base
US-10-143-114-37

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Query Match 99.1%; Score 3303.4; DB 9; Length 3501;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 331; Conservative 0; Mismatches 13; Indels 1; Gaps 1;
Oy 1 GCAGAGCAGCAGCGGCGACACTGAGCGCTACTGCGCGCTACGAGGAGCAACGCTATG 60
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Db 76 GCAGAGCAGCAGCGGCGACACTGAGCGCTACTGCGCGCTACGAGGAGCAACGCTATG 135
Oy 61 GCTGAGCCTGGGCAACAGCCACATCTCTCGGCGAGGTGCGGGGAGAACTGAGAGGCC 120
Db 136 GCTGAGCCTGGGCAACAGCCACATCTCTCGGCGAGGTGCGGGGAGAACTGAGAGGCC 195
Oy 121 ATACCCGGGCGTGGGCGGCTCTCTGAGGCTGGGAGCCGCTTCCAGGTGAGCCAGGGA 180
Db 196 ATACCCGGGCGTGGGCGGCTCTCTGAGGCTGGGAGCCGCTTCCAGGTGAGCCAGGGA 255
Oy 181 ACGGAGCCGAGGACTTACGCGCTGCAAAAGATCTGAGTACCATATGATGATACAGGGGTG 240
Db 256 ACGGAGCCGAGGACTTACATGCTGCAAAAGATCTGAGTACCATATGATGATACAGGGGTG 315
Oy 241 GACACAGAGGTTCCAGGTGAGGAGGTGCGGTGCGCATACCCGCGGCTGTGCACAGC 300
Db 316 GACACAGAGGTTCCAGGTGAGGAGGTGCGGTGCGCATACCCGCGGCTGTGCACAGC 375
Oy 301 CTGCTGACCCCGTCAAGGCAACCGAGTGTCTTCTCTGCAACGCCGGGAGTTTCTG 360
Db 376 CTGCTGACCCCGTCAAGGCAACCGAGTGTCTTCTCTGCAACGCCGGGAGTTTCTG 435
Oy 361 GATATGAGAGCAGTCAATGTAAGCATGCGGTGAGGCGCGCTACTGCGGAGCCAGGC 420
Db 436 GATATGAGAGCAGTCAATGTAAGCATGCGGTGAGGCGCGCTACTGCGGAGCCAGGC 495
Oy 421 ATTGCGTTGATGAGTGGAGTGAAGTGCCTTCCATGAGCTTTCGACAGCTTCAACATG 480
Db 496 ATTGCGTTGATGAGTGGAGTGAAGTGCCTTCCATGAGCTTTCGACAGCTTTCGACATG 555
Oy 481 GAGCTGATGACAGTCTCTGATGCCACCGGGAAGTGTGTCGAATGGGTTTCC 540
Db 556 GAGCTGATGACAGTCTCTGATGCCACCGGGAAGTGTGTCGAATGGGTTTCC 615
Oy 541 CGGGGGGAGTACTATCGCTTCAACAAGAGCAATGACAGCCACAGCTGATGCGCTC 600
Db 616 CGGGGGGAGTACTATCGCTTCAACAAGAGCAATGACAGCCACAGCTGATGCGCTC 675
Oy 601 AACCTGAAGCAATCTGGACCGTTAACTTCAATCTACTATCCAGTCCGACATCATC 660
Db 676 AACCTGAAGCAATCTGGACCGTTAACTTCAATCTACTATCCAGTCCGACATCATC 735
Oy 661 TTTGAGTTTTTCTGATGAAATGACAGTGGCCCAATGCAAGTACGAGTGGAGT 720
Db 736 TTTGAGTTTTTCTGATGAAATGACAGTGGCCCAATGCAAGTACGAGTGGAGT 795
Oy 721 AAGACACAGAGAAAGGATGGAAATTCACAGTGTGAGCTTAATTCAGGCAATATGTC 780
Db 796 AAGACACAGAGAAAGGATGGAAATTCACAGTGTGAGCTTAATTCAGGCAATATGTC 855
Oy 781 CTCTATTGAGAGACACAGCCTTCTGATGTGAGCAAAAGTACCAAGCTGTGCTGTG 840
Db 856 CTCTATTGAGAGAAACAGAGCCTTCTGATGTGAGCAAAAGTACCAAGCTGTGCTGTG 915
Oy 841 AGAAACATTTGCAATACAGAGGAGTGGCTTACACTTCAAAATGCTCCCTGCAAACTGGC 900
Db 916 AGAAACATTTGCAATACAGAGGAGTGGCTTACACTTCAAAATGCTCCCTGCAAACTGGC 975
Oy 901 ACGTATGCAAGCAAGAGGCTCTCTTTTGTGCAAACTTTGGCCAGCAACTTTATCA 960
Db 976 ACGTATGCAAGCAAGAGGCTCTCTTTTGTGCAAACTTTGGCCAGCAACTTTATCA 1035
Oy 961 AATAAGAGAGAACTTTTGTGCAACAGTGTGACCTGACAAATCTCAGAGAAAGATCT 1020
Db 1036 AATAAGAGAGAACTTTTGTGCAACAGTGTGACCTGACAAATCTCAGAGAAAGATCT 1095
Oy 1021 TCTTCTGTAACGTGCGCCAGCTTGCACAGACAAAGATTTTCTACACACAGAGCC 1080
Db 1096 TCTTCTGTAACGTGCGCCAGCTTGCACAGACAAAGATTTTCTACACACAGAGCC 1155
Oy 1081 TCGGATGCCAAGGAGAGACAACTCATGTATCAAAATGGGCAAGCGGAAATCTGTAGC 1140
Db 1156 TCGGATGCCAAGGAGAGACAACTCATGTATCAAAATGGGCAAGCGGAAATCTGTAGC 1215

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FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (10)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (25)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (26)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (600)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-209

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Query Match          16.5%: Score 551; DB 9; Length 625;
Best Local Similarity 97.1%: Pred. No. 1.2e-153;
Matches 596; Conservative 5; Mismatches 8; Indels 5; Gaps 4;

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OY 2050 CCACGAGAGCTTTCACACACCTTCCTCCGCTTT-GGCAAAACACCGTCACTCTTGTCTG 2108
DB 15 CCACCTTCANNTTCACTACACCTTCCTCCGCTTTGGGCAAAACACCGTCACTCTTGTCTG 74
OY 2109 AGGGCCAGCTTCACTTCCAAAGGTTGAATTAATCTTCACTCACTTACCCTCAGTCTGTG 2168
DB 75 AGG--CAAGCTTCA--TTCCAAAGGTTGAATTAATCTTCACTCACTTACCCTCAGTCTGTG 131
OY 2169 TGGAAACCGAGGTAGGAAATGTCTGTGTCACGACATGTCATGACCTCCGATTC 2228
DB 132 TGGAAACCGAGGTAGGAAATGTCTGTGTCACGACATGTCATGACCTCCGATTC 191
OY 2229 TGAGGTGAGTCAGGTTCTCCAAATCTATCAACGCTACGCTCCAGGAGTCATCAT 2288
DB 192 TGAGGTGAGTCAGGTTCTCCAAATCTATCAACGCTACGCTCCAGGAGTCATCAT 251
OY 2289 CCCCCAGAGGTACAGGCTACAGGCGGGTTTCTCTACAGGCTTCAGGCTTGCTGA 2348
DB 252 CCCCCAGAGGTACAGGCTACAGGCGGGTTTCTCTACAGGCTTCAGGCTTGCTGA 311
OY 2349 TCGACTTATTTGGGGTGACACAGATATGACTCTGATGAAATCACCTCCAGCTGAAT 2408
DB 312 TCGACTTATTTGGGGTGACACAGATATGACTCTGATGAAATCACCTCCAGCTGAAT 371
OY 2409 TTTTCACCTGAGTCTTGGGAATACCGAGAGTATCTTTTATAGTCCAAATGATGT 2468
DB 372 TTTTCACCTGAGTCTTGGGAATACCGAGAGTATCTTTTATAGTCCAAATGATGT 431
OY 2469 GACCCAGTCTGAGTCTTGGGAGATCAACACCATCCGCTCAGGTGACATCCAGAA 2528
DB 432 GACCCAGTCTGAGTCTTGGGAGATCAACACCATCCGCTCAGGTGACATCCAGAA 491
OY 2529 AACTGTCCCTGGAAATTTGCTGTGTCAGAAACGTCCTAGATGGAGCTGTGATGGCTG 2588
DB 492 AACTGTCCCTGGAAATTTGCTGTGTCAGAAACGTCCTAGATGGAGCTGTGATGGCTG 551
OY 2589 CAATTCCTCACTTCTGTGGAGAGCGGCTGTTCCTCCGCTCTGCTCAGTGGCTGACTA 2648
DB 552 CAATTCCTCACTTCTGTGGAGAAAMG--SGSTGTGCTCCGCTCTGCTCANTGCTGACTA 610
OY 2649 CCATGCTATGCTCA 2662
DB 611 CCATGCTATGCTCA 624

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RESULT 14
US-09-925-299-209
; Sequence 209, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.

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TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: Patentl Ver. 2.0
SEQ ID NO 209
LENGTH: 625
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc.feature
LOCATION: (1)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (10)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (25)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (26)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc.feature
LOCATION: (600)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-299-209

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Query Match          16.5%: Score 551; DB 10; Length 625;
Best Local Similarity 97.1%: Pred. No. 1.2e-153;
Matches 596; Conservative 5; Mismatches 8; Indels 5; Gaps 4;

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OY 2050 CCACGAGAGCTTTCACACACCTTCCTCCGCTTT-GGCAAAACACCGTCACTCTTGTCTG 2108
DB 15 CCACCTTCANNTTCACTACACCTTCCTCCGCTTTGGGCAAAACACCGTCACTCTTGTCTG 74
OY 2109 AGGGCCAGCTTCACTTCCAAAGGTTGAATTAATCTTCACTCACTTACCCTCAGTCTGTG 2168
DB 75 AGG--CAAGCTTCA--TTCCAAAGGTTGAATTAATCTTCACTCACTTACCCTCAGTCTGTG 131
OY 2169 TGGAAACCGAGGTAGGAAATGTCTGTGTCACGACATGTCATGACCTCCGATTC 2228
DB 132 TGGAAACCGAGGTAGGAAATGTCTGTGTCACGACATGTCATGACCTCCGATTC 191
OY 2229 TGAGGTGAGTCAGGTTCTCCAAATCTATCAACGCTACGCTCCAGGAGTCATCAT 2288
DB 192 TGAGGTGAGTCAGGTTCTCCAAATCTATCAACGCTACGCTCCAGGAGTCATCAT 251
OY 2289 CCCCCAGAGGTACAGGCTACAGGCGGGTTTCTCTACAGGCTTCAGGCTTGCTGA 2348
DB 252 CCCCCAGAGGTACAGGCTACAGGCGGGTTTCTCTACAGGCTTCAGGCTTGCTGA 311
OY 2349 TCGACTTATTTGGGGTGACACAGATATGACTCTGATGAAATCACCTCCAGCTGAAT 2408
DB 312 TCGACTTATTTGGGGTGACACAGATATGACTCTGATGAAATCACCTCCAGCTGAAT 371
OY 2409 TTTTCACCTGAGTCTTGGGAATACCGAGAGTATCTTTTATAGTCCAAATGATGT 2468
DB 372 TTTTCACCTGAGTCTTGGGAATACCGAGAGTATCTTTTATAGTCCAAATGATGT 431
OY 2469 GACCCAGTCTGAGTCTTGGGAGATCAACACCATCCGCTCAGGTGACATCCAGAA 2528
DB 432 GACCCAGTCTGAGTCTTGGGAGATCAACACCATCCGCTCAGGTGACATCCAGAA 491
OY 2529 AACTGTCCCTGGAAATTTGCTGTGTCAGAAACGTCCTAGATGGAGCTGTGATGGCTG 2588
DB 492 AACTGTCCCTGGAAATTTGCTGTGTCAGAAACGTCCTAGATGGAGCTGTGATGGCTG 551
OY 2589 CAATTCCTCACTTCTGTGGAGAGCGGCTGTTCCTCCGCTCTGCTCANTGCTGACTA 2648

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Db 552 CAAGTTCACCTTCCTGGGAAAAAG-SGSTSTTGCCGCTGCTCANTGGCTACTA 610
 Oy 2649 CCATGCTATCTCA 2662
 Db 611 CCATGCTATCTCA 624

RESULT 15

US-10-002-050-19
 : Sequence 19, Application US/10002050
 : Publication No. US20030032095A1
 : GENERAL INFORMATION:
 : APPLICANT: Shimkets, Richard
 : APPLICANT: Fernandes, Elma
 : APPLICANT: Vernet, Corine
 : APPLICANT: Yang, Meijia
 : APPLICANT: Boldog, Ferenc
 : APPLICANT: Herrmann, John
 : TITLE OF INVENTION: No. US20030032095A1 Nucleic Acid Sequences Encoding Human Sema5
 : FILE REFERENCE: 15966-554 Cura-54 CON-514
 : CURRENT APPLICATION NUMBER: US/10/002,050
 : PRIOR FILING DATE: 2001-11-02
 : PRIOR APPLICATION NUMBER: 09/604,286
 : PRIOR FILING DATE: 2000-06-22
 : PRIOR APPLICATION NUMBER: 60/140,584
 : PRIOR FILING DATE: 1999-06-23
 : NUMBER OF SEQ ID NOS: 49
 : SOFTWARE: PatentIn Ver. 2.0
 : SEQ ID NO 19
 : LENGTH: 1737
 : TYPE: DNA
 : ORGANISM: Homo sapiens
 : FEATURE:
 : NAME/KEY: CDS
 : LOCATION: (296)..(1687)
 : NAME/KEY: variation
 : LOCATION: (1)..(1737)
 : OTHER INFORMATION: N may be any nucleotide
 US-10-002-050-19

Query Match 16.1%; Score 537.6; DB 9; Length 1737;

Best Local Similarity 62.0%; Pred. No. 2.3e-149; Mismatches 569; Indels 18; Gaps 6;

Db 214 GAGTACACATAGTACACGCGGTGACACAGCGGTTCAGGTGAGGCGCGG 273
 Oy 146 GATTATCCTTTGATATATAGGAATGTATAGCACTGCTCCAGGTGAGAGTTGCCATT 205
 Db 274 CCGCATACCCGGGCGCTGTGACCAAGCTGCTGACCCGTCACAGGCGAGTGTCC 333
 Db 206 CCAATTCTGACAGTGAAGTCTGCTGCTGCTGCTGCTGACCCAGTGAAGGCAAAAGATGCAT 265
 Oy 334 TTTCCTGCAACGGCGGGGAGTTCTGATATGAAGACAGTCAATGTAACCATGCGCT 393
 Db 266 TTTCCTGCTGCTTCTGAGATATCTAGAAATGAAGAACGATGATGAGTAAGTGTGT 325
 Oy 394 GAGGCGCGTACTCCTTCGCGACAGCATTTGGTTGATGATGGGATGAGCTGCCCAT 453
 Db 326 GAAGACACATTTCTCTGGGAGTGGCATCAAAATTTGATGATGAGTAAGTGTGT 385
 Oy 454 GCGTTTGGCAGCTCTACAGCCACATGAGAGTGTGATGACAGTGTCTGAGTCCA--CC 510
 Db 386 GGATTTCTTAACATCGAACATTCATGTGACACTGTGTGGGCGCTTCTGACAGAGGCCA 445
 Oy 511 GGAAGTCTACTTCGTCAGAGTGGTCCCGGGGCGAGTCAATCGCTTCAACAGCAGAC 570
 Db 446 GAGGCTGTATACACTCTTTCTTGGATCCCTCTGAGAACTACATAGAACTTAATCGTAT 505
 Oy 571 GAATGACAGGACACATGATGTACGCGTCAACCTGAAGCAATCTGGACCGTTAACTTC 630
 Db 506 GACTGCAAGGGTCTTGTATGTATGCTGTGACACTTAAGAAAGTACAGGCTATGTTCTTT 565

Oy 631 GAATACTATATCCAGACTCCAGCATCATCTTTGAGTTTCTGTCAGATGACGATGC 690
 Db 566 GAGTACAGATGTGCAACAACATCTTCTGAGTTCTTTTAAATGATGATGTCG 625
 Oy 691 CAGCCCAATGACATGACTC---CAGGTGATGTAACACACAGAGAA---AGATGGAA 744
 Db 626 CAGGAGATGAGACCCACCACTGACAAAGTGGTAAACTTACAGACATGAGATGGGCG 685
 Oy 745 TTTCACAGTGTGGAGCTTAATGAGGCAATATGCTCTATTTGAGAAACAGCTTC 804
 Db 686 TCTCATTTCTGTAATGCTGTAATCAGGACAAACATCTCTACTGGAACCTACAGCATTC 745
 Oy 805 TCAGTATGAGCAAAAGTATACCAAGCCTGTGCTGTGTGAGAAAGATTTCCATTAACAGGGGTG 864
 Db 746 CTTATGAGTTTCAAGCGGGTCAAGCTGTGTGTGTAATAATATCAATTAAGGGGGT 805
 Oy 865 GCTTACCTTCAAGATGCTTCCCTGCAAACTGGCAGCTATGACAGACAGAGGCTCC 924
 Db 806 GGTACACATCAGAAATGTTTCTTGCAGAGGCAATTCAGCAACAAACAGGTTCA 865
 Oy 925 TCTTCTGCAAACTTGTGCGCAGCAACCTTATTCATAAATGAAGAACTCTTGCAC 984
 Db 866 TTCACTGCGCAGGTGTGTCCAGAAACACTTATTCGAGAAAGAGCCAAAGATGTATA 925
 Oy 985 CAGTGTACCTTGACA--ATACTCAGAAAGATCTTCTCTGTAACTGCGCCCA 1041
 Db 926 AGGTGAAAGACGACTCTCAATTTTCAAGAGAGATTCAGTAGTACAGAGGCGCT 985
 Oy 1042 GCTTGACACAGCAAGATTTATTTTACACACACAGGCTGCGATGCCAGGAGACA 1101
 Db 986 CCTGTACACAAAAGACTTTTCCAGATCCATCTCCATGTGATGAAAGAAAGACA 1045
 Oy 1102 CAATCATGTACAAATGGGCGCAAGCGAAATCTGTAGAGGACTGAGGGGCGAG 1161
 Db 1046 CAGATATATGTACAGTGTATAGCCCAAAATCTCGGAGAGATCTCACATGCTATT 1105
 Oy 1162 AAGTCCCTGCTGCTGTGTGTAAGACCACTGCCACCTGCAACCGCTTCTTCAA 1221
 Db 1106 AGATTGCCCTTCTGAGAGAAAGATGTCCGCGCTGCAACCTGTGATTTATATAC 1165
 Oy 1222 ACCAACAACAGACCTGCGACGCTGCGCATATGTGTTCTTACTCCAATGG--CTCAGAC 1278
 Db 1166 AATGATCATCTTCTTGGCATCTCCTGCTGCGAACAATTTTCAGATGGAACCAAGAA 1225
 Oy 1279 TGTACCCGCGCTGCGAGGAGCTGACATGCTGTGGGTTTGAATTAACAAATGGTGAAC 1338
 Db 1226 TGTACACATGTCCACGAGAAAGAGCTGACATTTGGTTGAATTAATGATGAT 1285
 Oy 1339 ACGTGCACCAAAACATGGAACGACGTTCTCAGTGGATCACTTGAGTACAAAGGC 1398
 Db 1286 GTCTTCTGGAACATGAAACCTTCTGCTTCAATGTTGGAAATTCAAAGTGCATGGA 1345
 Oy 1399 ATGACAGCTGGGAGGTGTGTGTATCATTTACACAGCTGCTGGAGCTCAGACAT 1458
 Db 1346 ATGAATGTTGGAGAGTGTGTGAGATCATATCCAGATGGGCTGGAGTGTCTGACAT 1405
 Oy 1459 GACTTCAATTTCTACATCTGTTGTGCGAGATTTTAACCTCCGACATCGGTGAGCA 1518
 Db 1406 GATTACCTGATCTTAACCTTGATATCCAGATTTTAACCAACCAATCTATGACTGGA 1465
 Oy 1519 GACACAGAAATTAAGAGAGTGGCAGAAATCAATTTGCTTTGAGACCTCTGTTCTGTG 1578
 Db 1466 GCCAC---GGTCTCTGAAGTGTGGAATTAACATTTGCTTTGAGACCTCTGTTCACT 1522
 Oy 1579 AAGTGTGCTCTACTATGATGTTGGTGTGAATTTAGACCAACATCTCTGTGAGAGC 1638
 Db 1573 GACTGTGTTTGTACTTATGTGTGATTAATTAAGAAATTAACAAATGTGTGAAATCG 1582
 Oy 1639 TGAAGAGTTTCAAGGCAAGCTCTATATCAATCACTTGAAGAGCACTACACG 1698
 Db 1583 TGGGGTGAACCAAGAAACAAAGCTTACACCATATCATCTTCAGAAATGCAACTTTT 1642
 Oy 1699 AGCTTCACTTGGGCTTTCAGAGAGCACTTTTCAATGAGGCAAG 1742

Wed Mar 12 10:08:32 2003

us-10-046-433-39.rnpb

Page 27

DB 1643 ACATTTCATGCGGCATTCGCCAGAGAACTAATTTCAGGGTCCAG 1686

Search completed: March 11, 2003, 09:48:41
Job time : 169 secs

